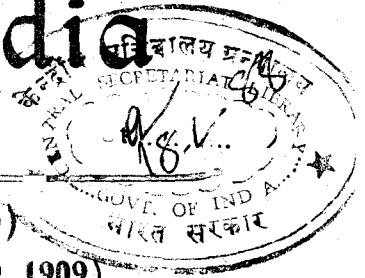


भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY



सं० 2] नई दिल्ली, शनिवार, जनवरी 9, 1988 (पौष 19, 1909)
No 2] NEW DELHI, SATURDAY, JANUARY 9, 1988 (PAUSA 19, 1909)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 9th January, 1988

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CORRIGENDA

1. (a) In the Gazette of India, Part III, Section 2 dated October 3, 1987 under the heading Applications for Patents filed in the Patent Office Branch, Bombay-400 013 on page No. 1022.

(i) In respect of Patent Application No. 239/BOM/87 the name of the applicant for "Dr. SHIVAJI H. PAWAR & OTHERS" read as "Dr. SHIVAJI H. PAWAR & Dr. S. H. JAGDALE".

(ii) In respect of Patent Application No. 243/BOM/1987, the name of the applicant read as 'SUDHABEN C. PATEL'.

(b) In the Gazette of India, Part III, Section 2 dated 3rd October, 1987 under the heading "Complete Specification Accepted" on the page Nos 1031 & 1033.

(i) In respect of Patent No. 161095 (212/BOM/1984) in claim after line 14 read as 'CHASE, WHICH TAKES UP USED FOIL PORTION WITH THE HELP OF' and before the line 15.

(ii) In respect of Patent No. 161105 (359/BOM/84), International classification for H01F 17/00 read as H01B—17/12.

2. In the Gazette of India Part III, Section 2, dated 10th October, 1987 under the heading of Complete specification Accepted on page Nos. 1050, 1051 & 1053.

(i) In respect of Patent No. 161141 (10/BOM/85) date of application filed read as '9TH JANUARY, 1985.

(ii) In respect of Patent No. 161139 (241/BOM/84), title read as 'PNEUMATIC YARN SPLICING DEVICE'.

(iii) In respect of Patent No. 161148 (275/BOM/85) the International Classification reads as—C07b—1/00.

3. In the Gazette of India, Part III, Section 2, dated 17th October, 1987 under the heading 'Applications for Patents, filed in the Patent Office Branch, Bombay-400 013 on page 1090.

(i) In respect of Patent Application No. 263/BOM/87 the name of the applicant read as 'KARNATAKA EXPLOSIVES LIMITED'.

In the Gazette of India, Part III, Section 2 dated 11th July, 1987 under the heading Complete Specification accepted on the Page No. 750.

(1) In respect of Patent No. 160360 in the last line of the last para

For $15 \pm 50^\circ$

Read $15 \pm 5^\circ$

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135 of the Patents Act, 1970.

The 1st December 1987

940/Cal/87. Beloit Corporation. Method and apparatus for drying a paper web.

941/Cal/87. Texaco Development Corporation. Oil containing dispersant VII olefin copolymer.

942/Cal/87. M/s. Steelsworth Pvt. Ltd. Improvements in or relating to a system for cutting, tearing and curling tea leaves.

943/Cal/87. B & J Manufacturing Company. Abrading apparatus and process for making the same.

The 2nd December, 1987

944/Cal/87. Leo Larikka. Apparatus for making divergent cuts chamfered relative to a cutting surface by means of torch cutting.

945/Cal/87. Hoechst Aktiengesellschaft. Water-soluble colored compounds, a process for their preparation and their use as dyes.

946/Cal/87. Hoechst Aktiengesellschaft. Azo compounds containing cyano groups, a process for their preparation and their use as dyestuffs.

947/Cal/87. Ethicon, Inc. Implant.

The 3rd December, 1987

948/Cal/87. Mining Supplies (Longwall) Limited. Mining machinery haulage system. (5th December, 1986) U.K.

949/Cal/87. Trutzschler Gmbh & Co. Kg. A procedure and device for the detection of foreign bodies like foreign fibres, strings, strips of synthetic material, wires or similar things within or between the textile fibre flakes.

950/Cal/87. M/s. Steelsworth Pvt. Ltd. Improvements in or relating to system for relieving blockage of etc. operation in a etc machine.

951/Cal/87. Dennis E.J. Johnson and Scott J. Johnson. Method of treating a flow streams of ambient air. [Divisional dated 24th August, 1983]. (24th August 1982).

The 4th December, 1987

952/Cal/87. Establishments Vape (Societe Anonyme). A high speed resilient fixing device for fixing rails for railroads.

953/Cal/87. Trutzschler Gmbh & Co. Kg. A device for the separation of impurities, like trash, scale parts and similar things for a carding machine or carding engine.

954/Cal/87. Voest-Alpine Aktiengesellschaft. Device for exploiting of material.

The 7th December, 1987

955/Cal/87. (1) Krasnoyarsky Politekhnaicheskyy Institute; (2) Institut Khimii Tverdogo Tela I Pererabotki Mineralnogo Syr'ya Sibirsk Ogo Otdelenia Akamedii Nauk SSSR. Centrifugal Mill.

956/Cal/87. The Babcock & Wilcox Company. Electro-Impulse Rapper system for boilers.

957/Cal/87. Westinghouse Electric Corporation. Combustor feeding arrangement.

958/Cal/87. Westinghouse Electric Corporation. Improved rotary combustor.

959/Cal/87. Isaac Grosman. Method of installing offshore constructions.

The 8th December 1987

960/Cal/87. Institut Problem Modelirovania V Energetike Akademii Nauk Ukrainskoi SSR. Optical memory.

961/Cal/87. (1) Commonwealth Scientific and Industrial Research Organisation; (2) Gian Lorenzo Valenti; (3) Luciano Santoro; (4) Raffaele Cioffi. Hydraulic binders and building elements formed of non-traditional materials. (Convention date 9th December, 1986) Australia.

The 9th December, 1987

- 962/Cal/87. Lanter BV. Expandable tape for cables, the use thereof, and cables.
 963/Cal/87. Beloit Corporation. Pressurized flotation module and method for pressurized foam separation.
 964/Cal/87. Arun Kumar Bhattacharya. Collapsible steel drums for cables.

APPLICATIONS FOR PATENTS FILED IN THE
 PATENT OFFICE BRANCH AT TODI ESTATES
 3RD FLOOR, SUN MILL COMPOUND, LOWER
 PAREL (WEST), BOMBAY-13
 (WEST), BOMBAY-13

The 19th October, 1987

- 324/Bom/87. Zinser Textil machinen G.m.b.H. Vertically adjustable drawing frame for textile machines.

The 20th October, 1987

- 325/Bom/87. R.A. Parikh. Quick and oil saving frier.

The 21st October, 1987

- 326/Bom/87. R.L. Valera. Improved enclosure for electrical compounds.

The 23rd October, 1987

- 327/Bom/87. Hoechst India Ltd. A process for the production of a new antifungal antibiotic named Isobongkric acid from an eubacterium (Culture Number Hoechst India Limited Y-84,0700).

The 26th October, 1987

- 328/Bom/87. P.G. Bhide. An automatic fuel supply takeover system.

The 28th October, 1987

- 329/Bom/87. Earl Bihari Pvt. Ltd. Hinge.
 330/Bom/87. Earl Bihari Pvt. Ltd. Safety Latch.
 3331/Bom/87. Earl Bihari Pvt. Ltd. Door Stopper.
 332/Bom/87. Earl Bihari Pvt. Ltd. Drawer Slide.

The 29th October, 1987

- 333/Bom/87. R.P. Wagh Arvind. M. Khebudkar. Ramesh Valte. A process for treating sugar factory and/or distillery effluents and recovering biogas and fertiliser from it.
 334/Bom/87. Aspi R. Balsara. A mosquito repellent mat.

The 3rd November 1987

- 335/Bom/87. Hindustan Lever Ltd. Detergent granules and process for their preparation.

7th Nov 1986, 19th Feb. 1987 & 14th Mar 1987.
 Great Britain.

The 4th November, 1987

- 336/Bom/87. Arun S. Kumbhojkar. A novel fluid carrying flexible pipe.
 337/Bom/87. Arun S. Kumbhojkar. Cable carrier.

The 6th November, 1987

- 338/Bom/87. The Associated Cement Companies Ltd. A process for manufacturing hydraulic cementitious composition by low temperature aqueous sol gel technique.

The 9th November, 1987

- 339/Bom/87. The Associated Cement Companies Ltd. A process for manufacturing hydraulic cementitious composition by low temperature non-aqueous sol gel technique.
 340/Bom/87. A multifilament electric lamp with sliding and rotating type buttons using metal components and provided on the side of the lamp cap.

The 11th November, 1987

- 341/Bom/87. Shrikant L. Karwa. Process for manufacture of p-Aminophenol from nitrobenzene by catalytic hydrogenation.
 342/Bom/87. Hoechst India Ltd. A process for the preparation of pharmaceutically active labdane derivatives.
 343/Bom/87. Earl Bihari Pvt. Ltd. Shelf Support.

The 16th November, 1987

- 344/Bom/87. P.K. Kulkarni & V.P. Kulkarni. Dental medication clip to retain medicine in close contact with teeth and gums.

ALTERATION OF DATE

161640. Ante dated to 1st February, 1983.
 (850/Cal/85)

161648. Ante dated to 24th November, 1981.
 (109/Del/85)

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 205-G & K.

161631

Int. Cl. : B 60 c 9/00.

TIRE, PARTICULARLY FOR AIRPLANES WITH CROWN REINFORCEMENT OF TEXTILE CABLES.

Applicant : MICHELIN & CIE (COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN) OF 4, RUE DU TERRAIL, 63040 CLERMONT FERRAND, FRANCE.

Inventor : 1. JACQUES MUSY.

Application No. 173/Cal/82 filed February 12, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 claims

A tire, particularly for airplanes, with crown reinforcement of textile cables, having a carcass reinforcement formed of at least one ply of radial cables which is anchored to at least one bead ring in each bead and at least a tripartite crown reinforcement having a width approximately equal to the tread width, radially outwards adjacent to the carcass reinforcement

and having a median portion in contact, at each of its edges, with a lateral portion, each of these three portions being formed of at least one ply of textile cables, which are parallel in each ply and inclined by an angle of between 0° and 30° to the circumferential direction of the tire, the carcass reinforcement of the tire when mounted on its service rim and inflated to its service pressure but not under load having a relative camber of convexity in the crown of at most 0.12, preferably between 0.04 and 0.10, and a relative camber of convexity in the sidewalls of at most 0.14 the tire thus having a quasi-rectangular meridian profile and being characterized by the fact that when it is mounted on its service rim but not inflated, its carcass reinforcement has, on the one hand, a relative camber of convexity in the crown of at most 0.17, preferably between 0.055 and 0.15, and a relative camber of convexity in the sidewalls of at most 0.20, and, on the other hand, a length such that after inflation its equilibrium curve at the level of the shoulders is located radially outwards of its curve in the uninflated tire, and by the fact that the median portion of the crown reinforcement is formed of cables whose extensibility is low preferably close to zero and has an axial width less than 80% of the width of the crown reinforcement, and which have a low, preferably zero, coefficient of contraction under the heat of vulcanization of the tire, while the cables of each lateral portion of the crown reinforcement is very extensible and has an axial width of between 10% and 35% of the width of the crown reinforcement and high coefficient of contraction under the heat of vulcanization of the tire.

Compl. Specn. 21 pages.

Drugs. 2 sheets.

CLASS : 69-A.

161632

Int. Cl. : H 01 h 73/06.

MULTI-POLE HIGH VOLTAGE CIRCUIT BREAKER.

Applicant : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor : 1. PETER WERNER.

Application No. 956/Cal/83 filed August 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 claims

A multipole high voltage circuit breaker comprising;

at least two flanged housing shells for joining together along respective peripheral flanges for forming a housing and defining a plurality of compartments corresponding to respective poles of the circuit breaker;

a plurality of tubular bodies housed in respective ones of said compartments and joined to one another for joint rotation as a switch actuator shaft;

an external drive element on each of said tubular bodies; each tubular body further having a circular bearing groove in the vicinity of said external drive element;

an internal drive element arranged at an end of each of said tubular bodies which is distal from said external drive element, said internal drive element being engageable with an external drive element of an adjacent tubular body for transmitting drive therebetween;

a plurality of end walls and intermediate walls formed of semiannular discs for cooperating with said flanged housing shells to form boundary walls for each pole of the circuit breaker, said end walls and intermediate walls being engaged by said bearing grooves of said tubular bodies for mounting said switch actuator shaft in said housing;

a plurality of internal contacts fixedly mounted in said housing; and

a plurality of switch elements arranged on said switch actuator shaft, said switch elements being movable between engaged and disengaged positions with respect to said fixed internal contacts upon rotation of said switch actuator shaft, each switch element having a pair of jaws which are spaced apart to receive a respective internal contact therebetween.

Compl. 16 pages, Drgs. 2 sheets.

CLASS : 88-D.

161633

Int. Cl. : B 01 d 46/00.

AN IMPROVED METHOD OF FILTERING PARTICULATE MATTER FROM A PARTICULATE LADEN GAS STREAM.

Applicant : THE AIR PREHEATER COMPANY INC., OF ANGOVER ROAD, WELLSVILLE, NEW YORK, UNITED STATES OF AMERICA.

Inventor : 1. THOMAS COOK SUNTER.

Application No. 128/Cal/83 filed October 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 claims

An improved method of filtering particulate matter from a particulate-laden gas stream wherein the particulate matter-laden gas stream is passed through a fabric filter collection apparatus which comprises a plurality of independent, isolatable filter chambers each housing fabric filter means upon which a portion of the particulate matter is deposited, the particulate matter-laden gas stream being subdivided upstream of the collection apparatus into a like plurality of substreams each of which is passed through one of said plurality of independent, isolatable filter chambers prior to recombining said substreams downstream of said collection apparatus to form a relatively particulate matter-free gas stream characterized by sequentially cleaning said plurality of filter chambers of deposited particulate matter in response to overall gas pressure differential across the fabric filter apparatus which comprising :

- (a) continuously sensing the gas pressure differential between a point upstream of the subdivision of the particulate matter-laden gas stream into a plurality of substreams and a point downstream of the recombination of substreams into the relatively particulate matter-free gas stream;
- (b) continuously comparing the sensed gas pressure differential to a preselected upper limit of desired gas pressure differential;
- (c) cleaning the deposited particulate matter from the fabric filter means disposed within one of said plurality of filter chambers, when the sensed gas pressure differential reaches the prescribed upper limit of desired gas pressure differential;
- (d) thereafter maintaining all of said plurality of filter chambers in normal filtering operation without further cleaning of the fabric filter means disposed therein until the sensed gas pressure differential again reaches the preselected upper limit of desired gas pressure differential; and
- (e) while continuously performing steps (a) and (b), continuously repeating step (c) and (d) while cleaning the fabric filter means disposed within each of said plurality of filter chambers in a rotating sequence.

Compl. Specn. 19 pages, Drgs. 2 sheets.

CLASS : 134-C, 160-A.

161634

Int. Cl. : F 16 f 15/04; F 16m 1/02.

A MOTOR CYCLE COMPRISING A TUBULAR FRAME, A CHAIN DRIVE OF A REAR WHEEL AND AN ENGINE WITH AN ENGINE CASE FORMING ONE INTEGRAL UNIT WITH A GEAR CASING.

Applicant : JAWA, NARODNI PODNIK, TYNEK NAD SAZAVOU, CZECHOSLOVAKIA.

Inventor : I. STAINSLAV VALES.

Application No. 89/Cal/84 filed February 6, 1984.

Appropriate office for opposition proceedings (Rule Patents Rules, 1972) Patent Office, Calcutta.

1 claim

A motorcycle comprising a tubular frame a chain drive of rear wheel and an engine with an engine case forming one integral unit with a gear casing, said unit provided with a contact surface and with projection having at least two transverse holes, a first and a second hole, said frame provided with a load-bearing surface and having two transverse holes, a first hole and a second hole, the unit reacting on the load-bearing surface by intermediary of a damping element mounted on the contact surface, said unit fastly connected with the frame by

one fastening screw passing through the first hole of the unit and of the frame without radial clearance,

two adjusting screws and a connecting plate, the connecting plate having two elongated adjustment slots, the adjusting screws passing through the second hole of the unit and of the frame respectively without radial clearance and through the adjustment slots of the connecting plate with radial clearances wherein the directions of radial clearance of the adjusting screws in the adjustment slots differ mutually in any position of the connecting plate.

Compl. Specn. 6 pages, Drg. 1 sheet.

CLASS : 194-B.

161635

Int. Cl. : H 01 s 3/00.

AN OPERATING CIRCUIT FOR FIRED GAS LASERS AND GAS LASER AMPLIFIERS WITH THE SEVERAL CONNECTED GAS DISCHARGE SECTIONS.

Applicant : VEB KOMBINAT FEINMECHANISCHWERKE HALLE, DDR-402 HALLE RUDOLF-BREITSCHEID-STR. 71 GERMAN DEMOCRATIC REPUBLIC.

Inventors : 1. DR. MANFRED POHLER, 2. RICHARD WITTIG.

Application No. 159/Cal/84 filed March 6, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 claims

An operating circuit for producing fired gas lasers and gas laser amplifiers with several connected gas discharge sections having a thyristor controller with impulse barrier which is operated on the input side by a sinusoidal line voltage and operates on the output side of a high voltage transformer, with a two-way rectifier with a connected smoothening condenser C4 and several parallel connected discharge sections, characterized by the following constructional unit groups:—

a time limit (b) which consists of a diode D1, a resistor R1, a condenser C1 in series connection and a relay K1 connected parallel to the condenser C1 in which time unit is energized or gets a voltage via the opening contactor of the switch S,

a synchronisation member 7, which receives synchronisation impulses from the thyristor controller 1 and in which the impulses are all synchronised at a time with closed 1.1 of the relay K1 over a resistor R2, whereas the impulses, when K1.1 is open, reach the base of the transistor T1 over a resistor R3 which transistor acts as a negator,

a differentiating member 8, a condenser C2 and a resistor R5, with the help of which the synchronisation impulse are differentiated and further conducted over a diode D2 which uses only positive needle impulses,

a bistable multi-vibrator 9, controlled over the differentiating member 8 and brought back to 1-state by opening the switching contactor S,

a circuit section 10, controlled by bistable multi-vibrator 9 and serving to generate the control voltage described later, V-St 1 with a resistor R8 an adjustable resistor R9 and a diode D4,

U-St1 with a condenser C3 and

U-S2 with adjustable resistors R6 and R7 where the condenser C3 is connected parallel to resistor R6 and to the tapping of resistor R7 and both the voltages U-St1 and U-S2 are sent to the control input 12 of the thyristor controller 1 whereas the control voltage U-St1 is available at control input 12 through the diode D1,

the switching circuit for ignition control 11 with metering resistors R11, ..., Rm introduced in all the cathode branches of the discharge sections 5, relays K11, ..., Km connected parallel to these metering resistors. The opening contactors K11.1, ..., Km.1 are connected parallel on one side connected to the firing impulse barrier 2 via the opening contactor K 1.2 of the relay K1 and on the other side, opposed to each other, in series with the line relay K2 the opening contactor K 2.1 which is arranged in the firing control barrier 1.

Compl. Specn. 17 pages, Drg. 1 sheet.

CLASS : 154-B, D, F & H.

161636

Int. Cl. : B 41 f 5/00 7/00, 9/00.

PRINTING PLATE CARRIER FOR A ROTARY PRINTING MACHINE.

Applicant : VEB KOMBINAT POLYGAPH "WERNER LAMBERZ" LEIPZIG, OF 7050 LEIPZIG, ZWEINAUNDORFER STR. 59, GERMAN DEMOCRATIC REPUBLIC.

Inventors : 1. HORST FICHHORN, 2. ERWIN DIMMEL, 3. HARALD FUSTEL, 4. ERNST FREITAG.

Application No. 244/Cal/84 filed April 17, 1984.

Convention date 2nd February, 1984 (84 02798) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 claims

A printing plate carrier for a rotary printing machine, the carrier comprising a cylinder provided with an axially extending recess which opens at the cylinder circumferences to permit reception of bent front and rear end portions of at least one flexible printing plate of a particular thickness and which is inclined so that the opening of the recess leads the base thereof in an intended direction of rotation of the cylinder, a plurality of positioning pins mounted in the cylinder to extend through the recess and through slots in the plate end portions when received in the recess, and a locating strip arranged in the recess and provided with bores—receiving the pins with play, the width of the strip being less than that of the recess by an amount equal to at least twice said plate thickness.

Compl. Specn. 15 pages, Drgs. 3 sheets.

CLASS : 98-C & G.

161637

Int. Cl. F 28b 3/00; F 28f 1/00.

A FINNED TUBE ARRANGEMENT.

Applicant & Inventor : PROFESSOR DR-ING. DIETER WURZ, OF HAID UND NEW STR. 8, 7500 KARLSRUHE.

Application No. 511/Cal/84 filed July 16, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 claims

A finned tube arrangement for heat transfer between a first medium flowing in the finned tubes and a second medium flowing outside of the finned tubes and in a direction transversely thereof, comprising flow guide elements, characterized in that the flow guide elements (10, 12; 50, 60, 70; 84) are disposed in the inflow (38) and/or outflow (36) of the second medium toward and/or away from the finned tube (2, 2') and shaped like airfoils.

Compl. Specn. 17 pages. Drgs. 6 sheets.

CLASS : 69-B.

161638

Int. Cl. : H 01 h 1/00.

A CUT-OUT SWITCH, PARTICULARLY TO A SINGLE COLUMN SCISSOR CUT-OUT SWITCH WITH A MAIN CONTACT SYSTEM AND A SECONDARY CONTACT SYSTEM.

Applicant : RUHRTAL-ELEKTRIZITÄTSGESellschaft HARTING GMBH & CO., OF RUHRTALSTRASSE 19, 4300 ESSEN 16, FEDERAL REPUBLIC OF GERMANY.

Inventor : I. ALFRED HARTING.

Application No. 367/Cal/85 filed May 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 claims

A cut-out switch, particularly a single-column scissor cut-out with one main contact system (3) and one secondary contact system (4), whereby the main contact system (3) consists of at least one main contact piece (5) situated at a cut-out scissor (2) or something similar and of at least one opposite contact piece (7) situated at a trunk line (6) or something similar, whereby the secondary contact system (4) produces moreover at least one secondary contact piece (8) attached to the opposite contact piece (7), whereby the main contact piece (5) comes for installation directly at the secondary contact piece (8) and whereby the secondary contact system (4) opens after the main contact system (3), wherein the secondary contact system (4) produces an electrically laid out break contact system (9) with two break contact piece (10) is attached to the opposite contact piece (7) the secondary contact piece (8), the first break contact piece (10) is attached to the opposite contact piece (7) and the second break contact piece (11) is insulated against the opposite contact piece (7) and is attached to the secondary contact piece (8) and opens at first the break contact system (9) after opening the main contact system (3) and only then the secondary contact system (4).

Compl. Specn. 21 pages.

Drgs. 3 sheets.

CLASS : 206-E.

161639

Int. Cl. : G 01 s 9/00.

RADAR SYSTEM OPERATING IN TWO FREQUENCY BANDS.

Applicant : HOLLANDSE SIGNAALAPPARATEN B.V., ZUIDELIJKE HAVENWEG 40 7550-GD HENGELLO, THE NETHERLANDS.

Inventor : I. BERNARD GELLEKINK.

Application No. 488/Cal/85 filed June 28, 1985.

Additional No. 86/Cal/85 dated 8th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

Radar system for the automatic tracking of targets, in particular targets which are at a relatively low altitude, characterised in that the radar system comprises a first radar apparatus for tracking said targets in range and angle coordinates and a second radar apparatus for tracking said targets at least in angle coordinates, which radar apparatus, both operating at their own frequency, utilise one and the

same antenna, whereby the two frequencies, at least when tracking a low-flying target, are characteristic for the receipt of echo signals from different ranges, within which ranges, in the event a target is at a relatively low altitude, the relevant radar apparatus produces a reliable angle error voltage, whereby the frequency of the second radar apparatus is of such a high value that the disturbance due to the receipt of target echoes reflected by the earth surface has no influence on the antenna tracking motion, and whereby in a first mode of operation in which a target being tracked is outside the range of the second radar apparatus, the target is tracked in range and angle coordinates by the first radar apparatus, whereby the first radar apparatus is provided with a range gate circuit, a range tracking unit controlling the opening of the range gate circuit, and with an angle tracking unit that supplies angle error voltages for the alignment of the antenna, while in a second mode of operation assumed when the target being tracked by the first radar apparatus arrives within the range of the second radar apparatus, the target can be tracked in angle coordinates by the second radar apparatus and in range by the first radar apparatus, whereby the second radar apparatus is also provided with an angle tracking unit that supplies the error voltages for the alignment of the antenna, and a range gate circuit which is however, controllable by the range tracking unit of the first radar apparatus, which radar system further comprises switching means with the aid of which means the error voltages supplied by the angle tracking unit of the first or the second radar apparatus are fed to the antenna servos used for the angle tracking movement, whereby said switching means is controlled by at least a control signal derived from the second radar apparatus when the target being tracked is within its detection range.

Compl. Specn. 24 pages. Drgs. 2 sheets.

CLASS : 206-E.

161640

Int. Cl. : H 01 j 23/06.

ELECTRONIC BALLAST SYSTEM FOR GAS DISCHARGE TUBES.

Applicant : INTENT PATENTS A.G. C/O. TIMOTHY FLEWES, 7 STOREY'S GATE WESTMINSTER, LONDON WE1 3AT, UNITED KINGDOM.

Inventor : I. JACQUES MARIE MANLET.

Application No. 850/Cal/85 filed November 29, 1985.

Division of Application No. 116/Cal/83 dated 1st February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 claims

An electronic ballast system connected to an AC power source for a gas discharge tube having a first and second filament, comprising :

- a first capacitor electrically coupled to said first filament of said gas discharge tube;
- a transistor having a base, emitter, and collector, said collector being connected to said first capacitor; and,
- transformer means having a primary winding coupled on opposing ends to said AC power source, and in series relation with said first capacitor and said collector of said transistor, and a secondary winding coupled on opposing ends thereof in positive feedback relation to said base of said transistor and said emitter of said transistor.

Compl. Specn. 25 pages. Drg. 1 sheet.

CLASS : 32E.

161641

Int. Cl. : C08f 3/02.

PROCESS FOR THE PREPARATION OF MODIFIED COPOLYMERS OF ETHYLENE AND AT LEAST ONE α -OLEFINE.

Applicant : SOCIÉTÉ CHIMIQUE DES CHARBONNAGES S.A., TOUR AURORE-PLACE DES REFLECTS, F-92080 PARIS LA DEFENSE, CEDEX 5, FRANCE, A FRANCH COMPANY.

Inventors : JEAN-PIERRE MACHON.

Application for Patent No. 453/Del/84 filed on 2nd June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

5 claims

A process for the preparation of modified copolymers of ethylene and at least one α -olefine having from 3 to 12 carbon atoms, comprising from 0.5 to 10 mol % of units derived from the said -olefine, their measured limiting viscosity being between 1.3 and 10 times their limiting viscosity calculated from the molecular weight distribution, by the continuous copolymerization of ethylene with at least one α -olefine, in at least one reactor comprising at least one reaction zone, in the presence of a Ziegler-type catalytic system, at temperature of 180°C to 320°C and under a pressure of 300 to 2500 bar, if desired in the presence of up to 2 mol % of hydrogen, the average residence time of the catalytic system in the reactor being between 1 and 120 seconds, characterized in that from 0.01 to 2 mol. per kg. of copolymer, of at least one diaryldialkylalkane is introduced into at least one reaction zone, at a temperature of between 220°C and 320°C under a pressure of between 500 and 1000 bar.

Compl. Specn. 15 pages Drg. 1 sheet.

CLASS : 32A, F3(6)

Int. Cl. : C02d 1/00.

AN IMPROVED PROCESS FOR THE MANUFACTURE OF SIPHON CARTRIDGES FOR THE PREPARATION OF PRE-FLAVOURED, PRE-AROMATISED OR, PRE-DISINFECTED CARBONIC LIQUIDS FOR HUMAN CONSUMPTION.

Applicant : GYORGY TIMAR, OF 7, MARKO, U., BUDAPEST, 1055, HUNGARY, AND PETER LONYAI, OF 82, LENIN KRT., BUDAPEST, 1066, HUNGARY, BOTH HUNGARIAN CITIZENS.

Inventors : GYORGY TIMAR AND PETER LONYAI.

Application for Patent No. 515/Del/84 filed on 26th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-5.

10 claims

An improved process for the manufacture of siphon cartridges for the preparation of pre-flavoured, pre-aromatised or pre-disinfected carbonic liquids for human consumption, which comprises :

injecting into a sealable cartridge carbon dioxide gas under pressure sufficient to liquify it in said sealable cartridge;

thereafter injecting into said liquid carbon dioxide in said cartridge a flavouring, aromatic or disinfecting substance as herein described which is soluble in the liquid carbon dioxide; and

sealing said cartridge with a reparable seal.

Compl. Specn. 15 pages.

CLASS : 39 G.

161643

Int. Cl. : C01f 7/62.

PROCESS FOR THE PURIFICATION OF ALUMINIUM CHLORIDE.

Applicant : TOTH ALUMINUM CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF LOUISIANA, U.S.A., OF 3101 WEST NAPOLEON AVENUE, SUITE 200, METAIRIE, STATE OF LOUISIANA, UNITED STATES OF AMERICA.

Inventor : RONALD WYNDHAM.

Application for Patent No. 526/Del/84 filed on 28th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

8 claims

A process for purifying aluminum chloride comprising the steps of :

- providing crude aluminum chloride containing at least one sulfur containing member selected from the group consisting of elemental sulfur and/or functional equivalent sulfur containing compounds added to the crude aluminum chloride;
- adding at least one aluminum containing member selected from the group consisting of elemental aluminum and/or functionally equivalent aluminum containing compounds to the blend;
- heating the blend of crude aluminum chloride containing sulfur and the aluminum metal;
- vaporizing substantially pure aluminum chloride from the blend, the at least one sulfur containing member contained in the blend being present other than as a major reducing agent or reactant in an amount to increase the yield and rate of formation of pure aluminum chloride.

Compl. Specn. 18 pages, Drg. 1 sheet.

CLASS : 130G.

161644

Int. Cl. : C 22d 1/24.

AN IMPROVED PROCESS FOR THE RECOVERY OF LEAD FROM A COMPLEX SULPHIDE ORES CONCENTRATES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : PURNA CHANDRA RATH, RAJA KISHORE PARAMGURU AND PRAFULLA KUMAR JENA.

Application for Patent No. 558/Del/84 filed on 9th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

9 claims

An improved process for the recovery of lead from complex lead sulphide ore concentrate containing galena, sphalerite and chalcopryrite which comprises grinding the ore concentrate, leaching the ground ore concentrate with a chloridising agent like ferric chloride or directly chlorine gas at a temperature in the range of 30°-60°C to convert lead sulphide into lead chloride as a precipitate, further leaching the precipitate separated from the reaction mass with hot brine at a temperature in the range of 60°-90°C and subjecting the resultant filtered leached solution to electrolysis to obtain the lead metal as a cathodic deposit.

Compl. Specn. 11 pages.

CLASS : 47C, 48D_h & 68B.

161645

Int. Cl. : H02j 3/00 & H02g 5/00 & 7/00.

AN IMPROVED CATENARY APPARATUS FOR COKE OVEN CHARGING CAR BUSBARS.

Applicant : STEEL AUTHORITY OF INDIA LIMITED, ISPAT BHAWAN, IODI ROAD, P.B. NO. 673, NEW DELHI-10003.

Inventor : SANTOSH KUMAR MOHANTY.

Application for Patent No. 694/Del/84 filed on 3rd September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

2 claims

An improved catenary apparatus for coke oven charging car busbars for use in the steel industry wherein two end structures are provided at the extreme end of a plurality of batteries, a portal structure mounted in the concrete buttress wall exactly at the middle of each battery; the said end structures are adapted to carry the tension of catenary wires and contact conductors and the portal structure adapted to support the said catenary and contact conductors preventing sagging.

Compl. Specn. 8 pages. Drgs. 5 sheets.

CLASS : 128 G.

161646

Int. Cl. : A61b 10/00.

A SHUNTING DEVICE FOR USE IN THE TREATMENT OF HYDROCEPHALUS.

Applicant : INDU UPADHAYAYA OF C II/27 ANSARI NAGAR, NEW DELHI-110029, INDIA, AN INDIAN NATIONAL.

Inventor : INDU UPADHAYAYA.

Application for Patent No. 881/Del/84 filed on 20th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

5 claims

A shunting device for use in the treatment of hydrocephalus comprising a tubular member made of a synthetic plastics material having self sealing property and closed at its ends by two rigid cuffs or blocks of a synthetic plastics material, a similar third cuff or block fitted within the tubular member intermediate of its length, dividing the space within the said member into an ante-chamber and a flushing chamber, a flexible tube fitted to the said member through a hole in the wall of the ante-chamber and a hole in the third cuff or block and opening into the flushing chamber, the tube having holes in its wall opening into the ante-chamber and a trapdoor valve near its end in the other chamber a second tube fitted in a hole in the cuff or block closing the flushing chamber, connectors fitted to the outer ends of both the tubes, a ventricular catheter coupled to the said first tube through one of the connectors and a flushing catheter namely an atrium catheter, a pleural catheter or a peritoneal catheter coupled to the said second tube, through the other of said connectors.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS : 87 C.

161647

Int. Cl. : A63b 49/00 & 51/00.

A RACKET FOR BALL GAMES.

Applicant : KARL FRIEDRICH KEILHAU, A GERMAN CITIZEN, OF TACKHEIDE 96-98, D-4150 KREFELD 1, WEST GERMANY.

Inventor : KARL FRIEDRICH KEILHAU.

Application for Patent No. 906/Del/84 filed on 28th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

3 claims

A racket for ball games which comprises a frame defining a racket head and a shank extending from said racket head and a racket handle adapted to be adjustably attached to said shank whereby said handle can be rotated about the longitudinal axis of the racket with respect to said racket, head, said shank comprising an elongate portion extending from said racket head the end of said portion being formed as a downwardly tapering frusto-cone characterised in that the frustum of said frusto-cone extends into a cylindrical section, the end of said cylindrical section being provided with an external screw thread so that it comprises bolt means said

racket handle comprising a substantially tubular element provided axially from one end to the other with a frusto-conical recess extending into a cylindrical bore, said recess and bore being adapted to receive and engage the frusto-cone and cylindrical section of said shank whereby the threaded end of said cylindrical section extends through said cylindrical bore beyond the end of said handle, and securing means abutting the end of said handle and provided with a mating screw threaded bore adapted to screw like a nut on to the external screw thread of said projecting cylindrical section of said shank whereby the frusto-cone of said shank is drawn into frictional locking engagement with the co-operating surface of said cylindrical bore of said handle.

Compl. Specn. 8 pages. Drg. 1 sheet.

CLASS : 169B.

161648

Int. Cl. : F41 d—9/02.

DRUM MAGAZINE FOR A GUN.

Applicant : CHARTERED INDUSTRIES OF SINGAPORE PRIVATE LIMITED, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE REPUBLIC OF SINGAPORE, OF 249, JALAN BOON LAY, JURONG TOWN, SINGAPORE.

Inventors : LEROY JAMES SULLIVAN & ROBERT LLOYD WATERFIELD.

Application for Patent No. 109/Del/85 filed on 11th February, 1985.

Convention date 11-12-80/8039745/(U.K.).

Divisional to application No. 729 Del/87 dated 24th November, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

7 claims

A drum magazine for gun including a housing having a peripheral wall defining a circularly cross-section interior, a feed throat extending through an opening in said wall for releasing cartridges from the housing, said opening having a first side and a second side with an outer extremity of said first side of said opening being provided with a fixed lip extending over the feed throat and said second side of said opening being provided with a movable lip biased by a spring in a direction outwardly of the magazine, the spacing between the lips being dimensioned so that a cartridge leaving the feed throat can only be slid therefrom in the direction of the housing axis and in no other direction when the magazine is mounted on a gun.

Compl. Specn. 24 pages. Drgs. 11 sheets.

CLASS : 130 I.

161649

Int. Class : C22b 11/04.

A PROCESS FOR THE RECOVERY OF SILVER FROM WASTE HYPO SOLUTIONS AVAILABLE FROM PHOTOGRAPHIC INDUSTRIES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJIV MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATING UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1869).

Inventor : AJIT KUMAR SARKAR.

Application for Patent No. 245/Del/85 filed on 23rd March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 claims

A process for the recovery of silver from waste hypso-lution comprises precipitating silver oxide by adding to the solution sodium hydroxide converting the precipitate to silver sulphide by adding sodium sulfide, filtering and drying the precipitate and fusing the dried precipitate with potassium carbonate.

Compl. Specn. 7 pages.

CLASS : 9 E.

161650

Int. Cl. : B22f 3/00 & 3/24.

PROCESS FOR PRODUCING DIAMOND CONTAINING COMPOSITE MATERIAL.

Applicant : INSTITUT SVERKHTRVDYKH MATE-RIAL V AKADEMII NAUK UKRAINSKOI SSR, OF ULITS AVTOZADKSAIA, 2, KIEV, U.S.S.R., AN INSTITUTE ORGANISED UNDER THE LAWS OF U.S.S.R.

Inventors : NIKOLAI VASILIEVICH NOVIKOV, ALEXANDR IVANOVICH BORIMSKY IVAN FEDOROVICH VOYCHANOVSKY, PETER ARSENIYEVICH NAGORNY, EDUARD SEMENOVICH SIMKIN & NEKHEMIAN VENIAMINOVICH TSYPIN.

Application for Patent No. 322/Del/85 filed on 17th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

2 claims

A process for producing a diamond-containing composite material based on a hard alloy of tungsten carbide and cobalt, comprising :

mixing diamond grains with a powdered hard alloy composition consisting of 85 to 94% by weight of tungsten carbide and 6 to 15% by weight of cobalt, for producing a diamond-containing mixture, the diamond being so taken that its content in the diamond-containing composite material is 25 to 40% by volume;

hot pressing at a temperature of 1,100 to 1,300°C under high pressure, and

cooling the resulting diamond-containing composite material with the pressure relieved,

characterized by

cold pressing the diamond-containing mixture into briquettes prior to said hot pressing step, subjecting said briquettes to heat treatment in a reducing medium at a temperature of 600 to 850°C, curing said heat treated briquettes isothermally for 25 to 50 minutes;

subjecting said cured briquettes to hot pressing at a pressure of 5 to 50 kbar, the pressure being raised at a rate of 20 to 60 kbar/min and the temperature being at a rate of 400 to 600°C/min, till the preset temperature and pressure are attained, exposing said hot pressed briquettes for 0.5 to 10 minutes, and

cooling said diamond-containing composite material and releasing said pressure simultaneously said cooling being effected at a rate of 750 to 1,000°C/min and pressure being released at a rate of 7 to 20 kbar/min,

Compl. Specn. 21 pages.

CLASS : 69-I & 76-E; I.

161651

Int. Cl. : H 01 h 35/00.

AN ELECTRIC SWITCHING DEVICE FOR USE WITH DOORS OF BUILDINGS.

Applicant & Inventor : CALASTHRY ARUNACHALAM KANDASWAMY, 7-78 MAIN ROAD, MEDCHAL-501 401, ANDHRA PRADESH, INDIA.

Application and Provisional Specification No. 318/Mas/84 filed May 2, 1984.

Complete Specification left August 2, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2-407G1/87

3 claims

An electric switching device for use with doors of buildings comprising a female latch member having a switch in the locking member slot thereof, the switch having a first set of normally closed contacts, and a second set of normally open contacts connected to the electrical circuit of the building whereby the locking member of the corresponding male latch member, in its locked position, opens the first set of contacts to disrupt power supply and, in its unlocked position, closed the first set of contacts to resume power supply a handle provided for the female latch member, the said handle being fixed to a cam-shaft, the handle when actuated, constraining the cam to close the second set of contacts to maintain power supply and when de-actuated constraining the cam to open the second set of contacts.

Prov. 4 pages, Com. 6 pages; Drgs. 1 sheet.

CLASS 2-A.

161652

Int. Cl. : H 05 b 33/00.

MULTIPLEXABLE LIQUID CRYSTAL DISPLAY.

Applicant : BBC BROWN, BOVRI & COMPANY LIMITED, OF CH-5401 BADEN, SWITZERLAND.

Inventors : (1) HERMANN AMSTUTZ, (2) OLPH KAUFMANN & (3) TERRY J. SCHLEFEL.

Application No. 448/Mas/84 filed June 19, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

15 claims

Multiplexable liquid crystal display having

—two plane-parallel support plates (1, 2) which form a cell with a border (3);

—a nematic liquid crystal (5) filled into the cell, with positive dielectric anisotropy and a chiral additive;

—electrode layers (6, 7) on the inner surfaces of the support plates (1, 2);

—orientation layers (8, 9), overlying said electrode layers, which align the adjoining liquid crystal molecules in such a way that the local optic axis of the liquid crystal at these orientation layers has a tilt angle with respect to the plane-parallel support plates;

—polarizer means for polarizing light at least twice between entering and leaving the display, including at least a front polarizer (10);

characterized in that

—the absolute value of total twist ϕ of the liquid crystal (5) in the cell is greater than or equal to 180° and less than 360°;

—the absolute value of the ratio between layer thickness (d) and pitch (p) of the liquid crystal (5) is greater than or equal to 0.50 and less than or equal to 0.95;

—layer thickness (d) of the liquid crystal between the support plates (1,2) is less than 10 μ m;

—the direction of vibration of at least the front polarizer (10) makes an angle with the orientation direction of the front orientation layer (8);

—multiplexing means are provided for switching of the display with operating voltages outside any bistable range of the transfer characteristic; and

—spacers (4) are distributed over the viewing area of the display.

Compl. 20 pages; Drgs. 6 sheets.

CLASS : 64 83.

161653

Int. Cl. : H 81 r 13/66, 33/88.

ELECTRICAL CONNECTOR PROTECTED FROM RADIO INTERFERENCE.

Applicant : ALLIED CORPORATION OF COLUMBIA ROAD AND PARK AVENUE, MORRIS TOWNSHIP, MORRIS COUNTY, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : (1) FRANCISCO RAMON DRIONES AND (2) KAMAL SHAWIKY BOUTROS.

Application No. 486/Mas/84 filed on 5th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 claims

A electrical connector characterized in that it comprises an electrically conductive shell a dielectric body having at least one row of separated passages extending therethrough, said body being disposed in said shell and each said passage receiving an electrical contact and means for filtering said electrical contacts from radio frequency interference.

said body including a plurality of mutually separated cavities with each said cavity communicating with one respective passage,

said filter means comprising a discrete monolithic capacitor being received in each said cavity and disposed in contacting relation with the electrical contact disposed in the respective passage, said capacitor a dielectric substrate having a live electrode and a ground electrode with the live electrode contacting the electrical contact, and

means for electrically coupling each said electrical contact and capacitor to said shell.

Compl. Specn. 14 pages. Drgs. 5 sheets.

CLASS : 165C.

161654

Int. Cl. : D 05 b—27/00.

A DEVICE FOR JOINING THE SEAMS OF A MULTILAYER LIMP FABRIC WORKPIECE.

Applicant : THE CHARLES STARK DRAPER LABORATORY, INC., INCORPORATED IN THE STATE OF MASSACHUSETTS, OF 555 TECHNOLOGY SQUARE, CAMBRIDGE, MASSACHUSETTS 02139, U.S.A.

Inventor : PHILIP N. BOWDITCH.

Application No. 503/Mas/84 filed on 12th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

20 claims

A device for joining the seams of a multilayer limp fabric workpiece comprising :

- (a) Feeder means for selectively feeding said multilayer limp fabric workpiece in the direction of an X reference axis, said X axis being perpendicular to a Y reference axis and intersecting therewith, said fabric workpiece having an upper layer overlying a lower layer,
- (b) means for supporting said upper and lower layers of said workpiece in a plane fabric locus substantially parallel to said X and Y axes,
- (c) means for selectively positioning said upper and lower layers in the direction of said X axis,
- (d) fabric joiner including a joining means adjacent to said fabric locus and associated means for selectively positioning said joining means with respect to said fabric locus along said Y axis, said joining means including selectively operable means for joining said upper and lower layers in said fabric locus at a current position of said joining means.

- (e) fabric joiner controller including means for establishing a current position of said joining means and for selectively controlling the operation of said joining means.

Compl. pecn. 36 pages. Drgs. 5 sheets.

CLASS : 152F.

161655

Int. Cl. : C 88 9 41/84.

A PROCESS FOR THE PREPARATION OF AN IMPACT RESISTANT POLYMER COMPOSITION.

Applicant : STAMICARBON B.V., LICENSING SUBSIDIARY OF DSM, OF P.O. BOX 18, GOUDEN THE NETHERLANDS, A BUTCH COMPANY.

Inventors : (1) PIETER JAN VAN ASPEREN AND (2) HUBERTUS JOHANNES VROOMANS.

Application No. 537/Mas/84 filed July 24, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 claims

Process for the preparation of an impact resistant polymer composition which comprises mixing at a temperature of between 150 to 300°C 58-99 parts by weight of the polyamide substantially consisting of units having the formula $(CO)(CH_2)_4 CO-NH-(CH_2)_4-NH$ and 1-58 parts by weight of ethylene-propylene rubber treated at a temperature of between 180° and 400°C with an ethylenically unsaturated compound containing one or more carboxyl groups, the anhydride or semi-esters thereof.

Compl. Specn. 8 pages. Drg. nil.

CLASS : 53A.

161656

Int. Cl. : B 62 h 1/86.

TINY PEDAL STAND.

Applicant & Inventor : SENDAMANGALAM PARTHASARATHY GOPALAKRISHNAN, NO. 48, WHITES ROAD, ROYAPETTAH, MADRAS-688 814, TAMIL NADU, INDIA, INDIAN NATIONAL.

Application No. 585/Mas/84 filed August 8, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 claims

A tiny pedal stand; consists of a hollow frame with a movable rectangular rod frame which is fixed in the hinge of the hollow frame and a spring is fixed in between the hollow frame and the rectangular rod frame for quick action to open and close and with a stopper arrangement made to keep the rectangular rod frame from not extending too much owing to the compression of the spring, the rectangular rod frame which is folded is lifted upon the front projecting portion of the rectangular rod frame and acts as a tiny cycle pedal stand, and prevents the cycle from falling down.

Compl. Specn. 9 pages. Drgs. 2 sheets.

CLASS : 166A, C, E.

161657

Int. Cl. : B 63 b 1/00; B 63 h 5/16, 25/00.

SELF-PROPELLED WATERBORNE VESSEL.

Applicant & Inventor : MARIAN KAZIMIERZ EDWARD CZERNIAK, OF BRITISH NATIONALITY, OF 52 ASPLEY PARK DRIVE, NOTTINGHAM, ENGLAND.

Application No. 682/Mas/84 filed August 18, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

18 claims

A self-propelled waterborne vessel having a hull shaped to define at least one downwardly opening channel extending longitudinally of the vessel and having at least a portion of substantially uniform cross-section forward of a propulsion means for moving water along the channel, and a control vane located to extend across the channel, the control vane being pivotable about a transverse axis beneath the propulsion means to vary the channel cross-section aft of the propulsion means.

Compl. Specn. 15 pages. Drg 1 sheet.

CLASS : 187 H (107H).

161658

Int. Cl. : F 82 b 29/00, 77/00.

EXHAUST-GAS TURBOCHARGER FOR THE TWO-STAGE SUPERCHARGING OF AN INTERNAL-COMBUSTION ENGINE WITH A DEVICE TO PREVENT LOSSES OF LUBRICANT.

Applicant : BBC BROWN, BOVERI & COMPANY LIMITED, OF CH-5481 BADON, SWITZERLAND, A SWISS COMPANY.

Inventor : DR. HANSULRICH HORLER.

Application No. 611/Mas/84 filed August 14, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 claims

Exhaust-gas turbocharger for the two-stage supercharging of an internal-combustion engine with a device to prevent losses of lubricant, with a low-pressure exhaust-gas turbocharger and with a high-pressure exhaust turbocharger, where-in the bearings of the high pressure exhaust-gas turbocharger are provided in a bearing housing the latter being arranged between the compressor and the exhaust-gas turbine and with an external lubricating oil circuit, the oil pump and oil reservoir of which being arranged outside the engine crankcase or one connected to the lubricating system for the engine, is provided for the lubrication of the bearings, the bearing housing being connected by an oil return pipe to a lubricating oil tank or to the crankcase of the internal-combustion engine and a breather device is present for the lubricating oil flowing back out of the bearing housing into the lubricating oil tank or into the crankcase characterised in that the interior space of the bearing housing of the high-pressure stage is connected by balancing pipes to a low-pressure boost air pipe between the compressor of the low-pressure stage and the compressor of the high-pressure stage or to the low-pressure exhaust-gas pipe between the exhaust-gas turbine of the high-pressure stage and the exhaust gas turbines of the low-pressure stage respectively.

Compl. Specn. 16 pages. Drgs. 2 sheets.

CLASS : 172-C1.

161659

Int. Cl. : D 01 G 15/00.

A CARD FLATS SEGMENT.

Applicant : GRAF & CIE, A-G., A SWISS COMPANY OF AITE JONASTRASSE, 8640, RAPPERSWIL SWITZERLAND.

Inventor : RALPH GRAF, WERNER BISQUELM.

Application No. 666/Mas/84 filed August 29, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 claims

A Card flats segment intended for a rigid mounting to a carding machine, characterized by a plurality of supporting members (3) integrated in a frame, which supporting members are arranged directly adjacently succeeding each other in the direction of the carding and extend atleast across the width of the card, each supporting member (3) being designed for a releasable receipt of sawtooth card clothing wires forming the card clothing and lined up thereupon across mentioned width of the card.

Compl. Specn. 19 pages. Drgs. 4 sheets.

CLASS : 43 BF, 146D₂, 1.

161660

Int. Cl. : B 65 h—54/00, G 03 b—21/00.

A FILM STRIP.

Applicant : KINGSWAY ENTERPRISES PRIVATE LIMITED, 12, SHAM NATH MARG, DELHI-110 054, INDIA, AN INDIAN COMPANY.

Inventors : RAVI GUPTA.

Application for Patent No. 038/Del/1984 filed on the 11th January, 1984. Complete Specification left on the 09th January, 1985. Cognate with application No. 042/Del/1984 filed on the 17th January, 1984.

Appropriate office for filing opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-5.

2 claims

A film strip for viewing in a film strip viewer formed by cutting a normal 35 mm film strip into at least two strips, each strip provided with a plurality of spaced holes on its outer margin characterized in that the holes are oval holes and the distance between the leading ends of two adjacent holes is 9.5 mm.

Provisional Specification 4 pages.

Compl. Specn. 13 pages. Drgs. 2 sheets.

CLASS : 34A.

161661

Int. Cl. : D01 f 7/04.

A PROCESS FOR THE MANUFACTURE OF POLYURETHANE FILAMENTS.

Applicant : ASUP PRIVATE LIMITED, OF PLOT NO. F-453, RIICO, BHIWADI, (DISTT. ALWAR) RAJASTHAN, INDIA, AN INDIAN COMPANY.

Inventor : MAHENDER KUMAR JAIN.

Application for Patent No. 658/Del/84 filed on 16th August, 1984.

Appropriate office for filing opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-5.

14 claims

A process for the manufacture of polyurethane filaments by melt spinning which comprises in drying polyurethane chips, forming a melt from said dried chips in an extruder subjecting the melt to the step of filtration for removal of impurities and agglomerates therefrom, passing the filtered melt to spinning blocks through a manifold to form filaments subjecting said filaments to the step of quenching, applying a spin finish to said filaments and, finally, winding the filaments on the take up winders, said step of drying comprising in a first step of charging the chips into a heated vessel and, thereafter, in the second step of increasing the temperature at the rate of 0.2 to 1°C per minute till the temperature of 150°C is achieved and, thereafter, cooling said chips within the dryer.

Compl. Specn. 13 pages.

CLASS : 131 B.

161662

Int. Cl. : E01g 3/04.

"CIRCULAR HEADING MACHINE FOR EXCAVATING TUNNELS".

Applicant : ANDERSON STRATHCLYDE PLC; A BRITISH COMPANY, OF 47 BROAD STREET, BRIDGETON, GLASGOW G40 2QW, UNITED KINGDOM.

Inventor : ARTHUR GILL.

Application for Patent No. 661/Del/1984 filed on 16th August, 1984.

Convention date August 20, 1983/8322467 (U.K.).

Appropriate office for filing opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-5.

8 claims

A circular heading machine for excavating tunnels comprising an elongate machine body having at its forward end a forwardly directed cutter boom mounted on a sliding carriage longitudinally moveable on and independently of the machine body, means mounted on the body to advance the machine body in stepwise movements, centering means mounted on the machine body, means mounted on the body adjacent to the cutter boom to limit peripheral movement of the cutter boom to form an accurate profile, a gathering apron at the forward extremity of the machine body, a hood assembly overlying the apron, a cage extending rearwardly from the hood assembly surrounding the cutter boom and sliding carriage and means mounted on the machine body externally of the cage directly behind the hood assembly for erecting circular tunnel supports over the machine body erection of the tunnel supports taking place simultaneously with operation of the cutter on the cutter boom.

Compl. Specn. 14 pages. Drgs. 3 sheets.

CLASS : 32 F, & F₃(b).

161663

Int. Cl. : C07d 41/00.

PROCESS FOR THE PREPARATION OF 1, 2, 3, 4-TETRAHYDRO-4-QUINOLINONES.

Applicant : RHONE-POULENC SANTE, A FRENCH BODY CORPORATE OF 'LES MIROIS', 18, AVENUE D'ALSACE, 92400 COURBEVOIE, FRANCE.

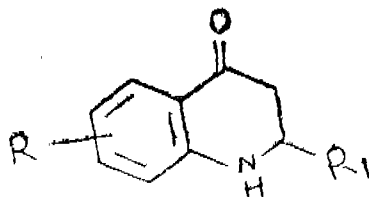
Inventors : MICHEL ARNAUD & JEAN-PIERRE CORBET.

Application for Patent No. 738/Del/84 filed on 20th September, 1984.

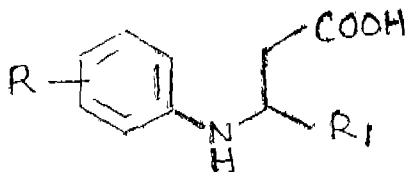
Appropriate office for filing opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-5.

8 claims

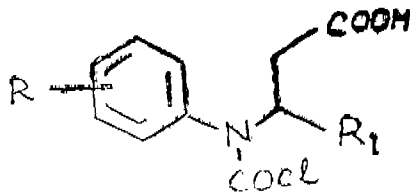
A process for the preparation of a 1, 2, 3, 4-tetrahydro-4-quinolinone of the general formula shown in figure (I).



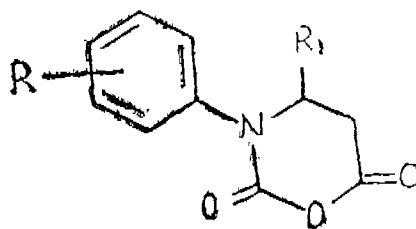
of the accompanying drawings in which R denotes a hydrogen atom, a halogen atom, a linear or branched alkyl radical of 1 to 4 carbon atoms, or a linear or branched alkoxy radical of 1 to 4 carbon atoms, and R₁ denotes a hydrogen atom or a linear or branched alkyl radical of 1 to 4 carbon atoms, which comprises reacting a 3-anilinopropionic acid of the general formula shown in figure (II)



of the drawings in which R and R₁ are as defined above, with phosgene to produce a product of the general formula shown in figure (III) of the drawings



in which R and R₁ are as defined above, converting the said product by the action of an organic nitrogen-containing base into a product of the general formula shown in figure (IV)



(4)

of the drawings in which R and R₁ are as defined as above, and treating the latter with a lewis acid in an aprotic organic solvent or with strong acid such as herein described to obtain the 1, 2, 3, 4-tetrahydro-4-quinolinone.

Compl. Specn. 18 pages. Drg. 1 sheet.

CLASS : 185E.

161664

Int. Cl. : A23n 9/00.

A METHOD OF HYDROLYZING A COFFEE EXTRACTION RESIDUE MATERIAL TO PRODUCE MANNAN ALIGOMERS.

Applicant : GENERAL FOODS CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A. LOCATED AT 250 NORTH STREET, WHITE PLAINS, NEW YORK 10625, UNITED STATES OF AMERICA.

Inventors : CHARLES VON FULGER, HOWARD DAVE STAHL, EVAN JOEL TOREX & RENEE BAYHA.

Application for Patent No. 750/Del/84 filed on 25th September, 1984.

Appropriate office for filing opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-5.

6 claims

A method of hydrolyzing a coffee extraction residue material to produce mannan oligomers from DP 1 to DP 10, said coffee extraction-residue material comprising coffee grounds that have been atmospherically extracted and then thermally hydrolyzed to remove most of the arabinogalactan therefrom, said method comprising :

- slurrying the coffee-extraction residue-material with water to between 5% and 60% by weight dry basis, residue material;
- adding an acid catalyst such as herein described to the slurry in an amount sufficient to adjust the pH of said slurry to between pH 0.5 and pH 4;
- hydrolysing the mannan present in the slurry by feeding the slurry into a reactor at a temperature between 160°C and 260°C in from 6 seconds to 60 seconds at a pressure between 6 atmospheres and 35 atmospheres;
- discharging the slurry from the reactor through an orifice so that the pressure is rapidly reduced to atmospheric, quenching the hydrolysis reaction;
- neutralizing the discharged slurry; and
- separating hydrolyzed coffee extraction residue material from the mannan oligomers from DP 1 to DP 10 to produce mannan oligomers of purity in excess of 80% and if desired drying the mannan oligomers by any known method.

Compl. Specn. 25 pages.

CLASS : 169B.

161665

5 claims

Int. Cl. : F 41C 7/00.

PERSONNEL PROTECTION FIREARM.

Applicant : ROLAND GRAHAM WHITEING, A BRITISH CITIZEN, OF 45 DUNCAN ROAD, GLENHERNESS, MIDRAND TRANSVAAL PROVINCE, REPUBLIC OF SOUTH AFRICA.

Inventors : ROLAND GRAHAM WHITEING.

Application for Patent No. 771/Del/84 filed on 5th October, 1984.

Appropriate office for filing opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-5.

16 claims

A personal protection firearm comprising a support member shaped to be worn on an extremity of a user's arm and assuming the form of a complete or incomplete ring for one or more fingers, a breech block carried by the support member and defining the rear end to at least one barrel and associated firing chamber in the support member, the firing chamber being adapted to accommodate a cartridge therein, a firing pin provided at the rear end of said firing chamber for firing such a cartridge, and a trigger for activating said firing pin, said trigger being positioned on the outside of the support member at a location which permits it to be operated by part of the same hand of the user as that on which the support member is located in use.

Compl. Specn. 24 pages. Drgs. 2 sheets.

CLASS : 180.

161666

Int. Cl. : F24C 1/00, 13/00.

AN IMPROVED WOOD OPERABLE STOVE.

Applicant : EDDYA GOPALA KRISHNA, AN INDIAN NATIONAL OF 21, SINGLE ROOM HOSTEL N.P.L. COLONY, STILL SIDE ROAD, NEW DELHI-110 012, INDIA.

Application for Patent No. 829/Del/1984 filed on 25th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-5.

3 claims

An improved wood operable stove comprising an outer chamber having a primary inlet at the base for introduction of primary air characterized in that an inner chamber disposed within said outer chamber, a plurality of slots at the base of said outer chamber for introduction of secondary air into said space, a plurality of secondary holes in said inner chamber to allow the flow of secondary air therein, said outer chamber having a supporting flange with a plurality of spaced openings, the inner chamber having a lower flange supported on said supporting flange, said lower flange having a plurality of spaced openings.

Compl. Specn. 8 pages. Drgs. 2 sheets.

CLASS : 152E.

161667

Int. Cl. : C08g 38/10 & C08f 29/50.

A METHOD OF MAKING A FLAME RETARDANT, OIL RESISTANT PLASTICS COMPOSITION.

Applicant : STC PLC FORMERLY KNOWN AS STANDARD TELEPHONES AND CABLES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF 190 STRAND, LONDON WC2R 1DU, ENGLAND.

Inventors : JOHN ROBERT IVOR BURY & DOUGLAS CHARLES BRETT.

Application for patent no. 848/Del/84 filed on 5th November, 1984.

Convention date 16th November, 1983/8330550/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

A method of making a flame-retardant, oil-resistant plastics composition, the method including blending at a temperature below 160°C an ethylene methyl acrylate copolymer (EMA) together with, ethylene vinyl acetate (EVA), ethylene ethyl acrylate (EEA), ethylene butyl acrylate (EBA), ethylene propylene diene monomer or mixtures thereof, a coupling agent such as herein described, a cross linking agent such as herein described and a hydrated metal oxide filler such as herein described, and pelletising and cross-linking the blended composition, wherein the EMA copolymer comprises 50 to 95 weight percent of the total plastics blend, and wherein the filler comprises 80 to 250 weight percent of the plastics blend.

Compl. Specn. 7 pages.

CLASS : 156D, 179G.

161668

Int. Cl. : B67C 9/00.

PUMPS FOR DELIVERING VISCOUS LIQUIDS.

Applicant : FOOD SPECIALITIES LIMITED OF M-5A, CONNAUGHT CIRCUS, NEW DELHI-110001, INDIA A COMPANY REGISTERED UNDER THE COMPANIES ACT, 1956.

Inventor : CLAUDE FRANCIS PEREIRA.

Application for Patent No. 178/Del/1985 filed on 5th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-5.

7 claims

A pump for delivering viscous liquids comprising a cap shaped head having a laterally extending spout connected to the upper end of a downwardly and co-axially extending tube, a cap shaped plunger of resilient material fixed to the lower end of said tube, said plunger being located within a tubular socket, a spring within the socket bearing against the plunger and a tube of flexible or resilient material fitted to the lower end of the said socket, the cap shaped head with the coaxial tube being adapted to act on said plunger when pressed and released.

Compl. Specn. 7 pages. Drg. 1 sheet.

PATENTS SEALED

154028 156306 156706 156708 156987 156989 158140 158199
158219 158258 158286 158297 158355 158356 158445 158502
158545 158592 158602 158610 158611 158614 158615 158616
158617 158618 158619 158627 158631 158632 158634 158640
158641 158642 158644 158645 158648 158662 158718 158741
158744 158745 158747 158761 158824 158825 158826 158831
158834 158837 158840 158841 158843 158848 158849 158854
158855 158863 158878 158887 158888 158890 158893 158894
158895 158896 158914 158916 158942 158965 158977 158989
158994 159007 159009 159014 159015 159018 159022 159024

AMENDMENT PROCEEDINGS UNDER SECTION 57, OF THE PATENTS ACT, 1970

Notice is hereby given that Mississippi Chemical Corporation, Yazoo City, Mississippi 39194, U.S.A., have made an Application under Section 57 of the Patents Act, 1970, for amendment of the Complete Specification of their Application for Patent No. 160191 for "A METHOD OF MAKING FERTILIZER PARTICLES WITH A PROTECTIVE COATING". The amendments are by way of correction. The Application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 00, or copies of the same can be had on payment of the usual copying charges.

Any person interested in Opposing the Application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the Notification at the Patent Office, Madras. If the Written Statement of Opposition is not filed within the Notice of Opposition it shall left within one month from the date of filing the said Notice.

RENEWAL FEES PAID

140115 140896 140897 140950 142130 142348 142706 143016
 143265 143286 143659 143818 144000 144075 144137 145020
 145333 145669 145707 145761 145762 146004 146066 146259
 146392 146499 146914 146946 147057 147058 147228 147516
 147667 147851 148056 148080 148165 148346 148609 148761
 148818 148820 148878 148896 148901 148902 148962 148950
 149255 149256 149304 149318 149319 149405 149603 149809
 149811 149935 150188 150523 150716 150739 150897 150981
 150996 151010 151080 151159 151377 151381 151609 151808
 151927 151928 151944 152023 152048 152056 152060 152260
 152515 152573 152811 152869 152888 153191 153223 153230
 153236 153243 153244 153256 153261 153277 153333 153401
 153424 153530 153577 153610 153640 153671 153737 154097
 154228 154232 154453 154522 154561 154568 154570 154620
 154693 154694 154728 154729 154732 154749 154750 154755
 154759 154762 154763 154764 154850 154870 154925 154929
 154932 155008 155114 155133 155159 155184 155207 155469
 155576 155609 155698 155926 155927 155954 156098 156182
 156424 156906 156936 157031 157087 157088 157111 157114
 157250 157258 157268 157342 157369 157370 157456 157477
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 157914 157915 157942 157945 157946 157961 157962 157963
 157964 157965 157966 158300

CESSATION OF PATENTS

147456 154881

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 149389 dated the 21-5-79 made by Indian Institute of Technology on the 22-1-87 and notified in the Gazette of India, Part III, Section 2 dated the 23-5-87 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 150589 dated the 25-8-78 made by Outokumpo Oy on the 2-4-87 and notified in the Gazette of India, Part III, Section 2 dated the 18-7-87 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 152576 granted to Satnam Singh for an invention relating to "an improved arrangement for feeding fabric to a calander machine".

The patent ceased on the 21-9-86 due to non-payment of renewal fees within the prescribed time and the cessation of

the patent was notified in the Gazette of India, Part-III, Section 2, dated the 15-8-87.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta 700017 on or before the 9th March, 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154852 granted to Shri Ram Institute for Industrial Research for an invention relating to "a process for manufacture of Portland cement from waste sludge".

The patent ceased on the 29-9-86 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 14-11-87.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta 700017 on or before the 9th March, 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154921 granted to Molins of India Limited for an invention relating to "a dispenser for elongated articles for circular cross-section".

The patent ceased on the 14-10-86 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 14-11-87.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta 700017 on or before the 9th March, 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154922 granted to Molins of India Limited for an invention relating to "a dispenser for elongated articles of circular cross-section".

The patent ceased on the 14-10-86 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 14-11-87.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta 700017 on or before the 9th March, 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application for restoration of Patent No. 155225 dated the 5-1-83 made by Shyam Narasinga Rao on the 22-1-87 and notified in the Gazette of India, Part III, Section 2 dated the 23-5-87 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. Nos. 158233, 158234. Universal Luggage Manufacturing Company Limited, (an Indian Company) of Building B, Shah Industrial Estate, Saki Vihar Road, Bomay-400 072, Maharashtra State, India. Road, Bombay-400 072, Maharashtra State, India.

Class. 1. No. 158303. Link Locks Private Limited, (an Indian Company organised under the laws of Indian Companies Act, 1956); 4/94-Badar Bagh, Aligarh (U.P.), India. "Pressure Cooker". 6th May, 1987.

Class. 1. No. 158362. Mohinder Pal Singh and Surinder Singh, both Indian Nationals, trading as Saurashtra Manufacturing Company, whose address is C-79, Mayapuri, New Delhi-110069, India. "Stainless Steel Belan Puri". 26th May, 1987.

Class. 1. No. 158381. Anjali Products, 170 Bombay Talkies Compound, Malad (West), Bombay-400 064 State of Maharashtra, India. "A Moving Vegetable Cutter-Choper". 3rd June, 1987.

Class. 1. No. 158385. Ittoop Chungath Joseph, Consulting Engineer, Indian National, of 14 Eagles Street, Langford Town, Bangalore 560 025, Karnataka, India. "A Petroleum Dispensing Pump". 4th June, 1987.

Class. 1. No. 158429. Mina Sales Corporation, Kiran Estate, Mavdi Plot, Rajkot-360 004 (Gujarat) (India), a regd. Partnership firm. "Domestic Flour Mill". 15th June, 1987.

Class. 3. No. 158190. Universal Luggage Manufacturing Company Limited, (an Indian Company) of Building B, Shah Industrial Estate, Saki Vihar Road, Bombay 400 072, Maharashtra State, India. "Suitcase". 3rd April, 1987.

Class. 3. Nos. 158194, 158195. Universal Luggage Manufacturing Company Limited, (an Indian Company) of Building B, Shah Industrial Estate, Saki Vihar Road, Bomay-400 072, Maharashtra State, India. Briefcase". 3rd April, 1987.

Class. 3. No. 158196. Universal Luggage Manufacturing Company Limited, (an Indian Company) of Building 'B', Shah Industrial Estate Saki Vihar Road, Bombay-400 072, Maharashtra State, India. "Suitcase with Chain". 3rd April, 1987.

Class. 3. No. 158313. Ram Singh, Proprietor (an Indian national), trading as Indo Burma Glass & Plastic Works, S. No. 13/46, A-1, Sarnath, Varanasi (U.P.), India, "Imitation Pearl". 8th May, 1987.

Class. 3. No. 158374. Reckitt & Colman Products Limited, of one Burlington Lane, London, W4, 2RW, England, a British Company. "Bottle with Cap". Reciprocity date is 4th December, 1986. (U.K.).

Class. 3. No. 158377. Bajaj Auto Limited, of Akurdi, Pune-411035, Maharashtra, India, an Indian Company. "Two Wheeler such as Scooter". 1st June, 1987.

Class. 3. No. 158386. Reckitt & Colman Products Limited, of one Burlington Lane, London, W4, 2RW, England, a British Company. "Bottle with Cap". Reciprocity date is 4th December, 1986. (U.K.).

Class. 3. No. 158426. Aristocrate Plastic Pioneers, B-70/45, D.S.I.D.C. Complex Lawrence Road, Delhi-110035, India. (Registered Partnership Firm) Indian. "Bottle Opener". 12th June, 1987.

Class. 3. No. 158427. Aristocrate Plastic Pioneers, B-70/45, D.S.I.D.C., Complex, Lawrence Road, Delhi-110035, India. (Registered Partnership Firm) Indian. "Clipper". 12th June, 1987.

Class. 3. No. 158432. Amrutlal Devshibhai Chudasma, an Indian adult, trading as Navchitan Orthopaedic Appliances, doing business at Opp. S.T. Bus Depot, Jamnagar-361 005 (Gujarat), (India). "Corrective Splint". 15th June, 1987.

Class. 3. No. 158439. Earth Chemical Company Limited, a Japanese Company of 3218-12, Sakoshi, Akoshi, Hyogo-ken, Japan. A "Fumigator". 17th June, 1987.

Class. 3. No. 158440. Earth Chemical Company Limited, A Japanese Company of 3218-12, Sakoshi, Akoshi, Hyogo-ken, Japan. an "Inner Container For Fumigator". 17th June, 1987.

Class. 3. No. 158459. Ashok Kumar Gupta, 113-A, Chhotta Bazar, Shahdara, Delhi-110032, India, an Indian National. "Watch-cum-Timer". 25th June, 1987.

Class. 3. No. 158472. Rubber Plast Company having its office at Commissariat Building 5th Floor, 231, Dr. D. N. Road Bombay-400 001, Maharashtra an Indian Partnership Firm "Bottle". 30th June 1987.

Class. 4. No. 158314. Ram Singh, Proprietor (an Indian national) trading as Indo Burma Glass & Plastic Works, S. No. 13/46-A-1, Sarnath, Varanasi, (U.P.), India. "Imitation Pearl". 8th May, 1987.

Class. 4. No. 158373. Kissan Products Limited (a company existing under the Companies Act) at Old Madras Road, Bangalore 560 016, State of Karnataka, India. "Bottle". 1st June, 1987.

Extn. of Copyright for the Second period of five years.

No. 152006. Class-1.

Nos. 152283, 152284, 152285, 152286, 152007. Class-3.
No. 153102. Class-10.

Nos. 152122, 152121. Class-12.

Extn. of Copyright for the Third period of five years.

Nos. 146406, 146407. Class-1.

Nos. 146363, 146364, 146365, 146366, 146411, 146201, 146297. Class-3.

No. 153102. Class-10.

REGISTRATION OF ASSIGNMENT LICENCE ETC.
(DESIGN)

Assignment, Licences or other transaction effecting the interest of the original proprietors have been registered in the following case. The number of the case is followed by the name of applicant for registration :

Number, Class No. & Name

150431—3—K. G. Fabricators Private Limited, 56/A, Lake View Road, Calcutta-700029, West Bengal, India, Indian Pvt. Ltd. Co.

NAME INDEXES OF APPLICANTS FOR PATENTS FOR THE MONTH OF JUNE, 1987 (NOS. 427/CAL/87 TO 506/CAL/87, 169/BOM/87 TO 205/BOM/87, 399/MAS/87 TO 471/MAS/87 AND 459/DEL/87 TO 554/DEL/87)

Name & Application No.

"A"

AB Akerlund & Rausing.—402/Mas/87.

Aboobacker, A.P.—410/Mas/87.

Adaptive Instruments Corporation.—504/Cal/87.

Advanced Energy Dynamics, Inc.—505/Del/87.

<i>Name & Application No.</i>
"B"
Aerospatiale Societe Nationale Industrielle.—485/Del/87.
Agrawal, M.—169/Bom/87.
Agrawal, M. (Smt.).—169/Bom/87 & 176/Bom/87.
Agrawal, M.D.—176/Bom/87.
Agrichema Materialflusstechnik GmbH.—424/Mas/87.
Air Industrie Environment.—430/Mas/87.
Alfastar AB.—443/Mas/87 & 537/Del/87.
Allied Corporation.—473/Del/87.
Altalanos Szolgaltato Es Epitoipari Kiszovetkezet.—401/Mas/87.
Aluminium Pechiney.—442/Cal/87, 464/Cal/87 & 465/Cal/87.
All Weather Sports International B.V.—418/Mas/87.
American Cyanamid Company.—477/Cal/87.
American Telephone and Telegraph Company.—453/Mas/87.
Anderton, C.J.—465/Mas/87.
Asci Limited.—528/Del/87.
Ashoombe Products Co.—520/Del/87.
Asta-Werke AG.—483/Cal/87.
Automotive Research Association of India, The.—175/Bom/87.
Azionaria Costruzioni Macchine Automatiche A.C.M.A. S.p.A.—481/Cal/87.
"B"
BBC Brown Boveri AG.—444/Mas/87 & 469/Mas/87.
B.F. Goodrich Company, The.—518/Del/87.
BP Chemicals Limited.—498/Del/87 & 515/Del/87.
BP Photovoltaics Limited.—540/Del/87.
B.V. Optische Industrie "Do Oude Delft".—480/Cal/87.
Babcock & Wilcox Company, The.—466/Cal/87.
Badillo, P.—509/Del/87.
Banik, U.K. (Dr.).—454/Cal/87.
Bauman, J.—532/Del/87.
Berol Kemi AB.—434/Mas/87.
Billings, R.E.—441/Mas/87.
Blagoveschensky Gosudarstvenny Meditsinsky Institut.—455/Cal/87.
Boler Company, The.—463/Cal/87.
Bouvet, J.—435/Cal/87.
Brain, A.I.J.—442/Mas/87.
British Aerospace plc.—446/Mas/87.
Burlington Industries, Inc.—477/Del/87.
"C"
Carpenter Technology Corporation.—453/Cal/87 & 451/Cal/87.
Carrier Corporation.—476/Cal/87.
Castolin E.A.—456/Cal/87.
Celanese Corporation.—484/Cal/87.
Cell Technology, Inc.—432/Mas/87.
Central Silk Technological Research Institute.—463/Mas/87.
Charbonnages De France.—428/Mas/87.
Ciba-Geigy AG.—538/Del/87.
Commonwealth Scientific and Industrial Research Organization.—503/Del/87.

<i>Name & Application No.</i>
"C"
Compagnie Francaise D'Etudes ET DE Construction "TE CHN IP".—486/Del/87 & 499/Del/87.
Contempo Products.—513/Del/87.
Continuous Concrete Castings Pty. Limited.—501/Del/87.
Council of Scientific and Industrial Research.—512/Del/87.
"D"
Dalmine S.p.A.—436/Mas/87.
Dave, A.P.—186/Bom/87.
Dave, K.P.—186/Bom/87.
David, T.J.—483/Del/87 & 491/Del/87.
Davy McKee (London) Limited.—429/Mas/87.
Delgiorno, D.—431/Cal/87.
Deshpande, M.V.—179/Bom/87.
Detia Freyberg GmbH.—433/Mas/87.
Digital Equipment Corporation.—551/Del/87.
Dnepropetrovsky Gosudarstvenny Universitet Imeni 300-Letis Vossosdinenia Ukrainy S Rossiei.—496/Del/87.
Doublet, S.A.—519/Del/87.
Dow Chemical Company, The.—408/Mas/87.
Dresser Industries, Inc.—517/Del/87.
Dua, N.M.—205/Bom/87.
"E"
E.I. Du Pont De nemours and Company.—472/Cal/87, 486/Cal/87 & 487/Cal/87.
EMC-Tamaco A/s.—464/Del/87.
Eagle Flask Pvt. Ltd.—204/Bom/87.
Edlon Products, Inc.—505/Cal/87.
Euroceltique, S.A.—427/Cal/87.
Eximport Industria E Comercio LTDA.—548/Del/87.
Exxon Chemical Patents, Inc.—461/Del/87, 462/Del/87, 463/Del/87 & 495/Del/87.
"F"
Fidia S.P.A.—485/Cal/87.
Fives-Cail Babcock.—414/Mas/87.
Fried Krupp Gesellschaft Mit Beschränkter Haftung.—468/Cal/87.
Fullar Company.—484/Del/87.
"G"
GEC Avionics Limited.—510/Del/87.
Kaonkar, G.R.—197/Bom/87.
Garrett Corporation, The.—542/Del/87.
Gebelius, S.R.V.—535/Del/87.
Ghanekar, C.G.—184/Bom/87.
Ghosh, G.K.—461/Cal/87.
Glaxo Group Limited.—482/Del/87.
Goldman, G.—445/Cal/87.
Goodyear Tire & Rubber Company, The.—504/Del/87, 524/Del/87, 525/Del/87 & 526/Del/87.
Gould Inc.—446/Cal/87.
Graver Company, The.—404/Mas/87.

Name & Application No.	Name & Application No.
"G"	"L"
Grumman Aerospace Corporation.—474/Del/87. Gudereit, B.—506/Cal/87. Gullick Dobson Limited.—466/Mas/87. Gupta, H.D.—500/Del/87. Gupta, R.R.—467/Del/87.	LA Telemecanique Electrique.—470/Del/87 & 550/Del/87. L' Air Liquide Societe Anonyme Pour L' Etude ET L' Exploitation Des Proceeds Georges Claude.—471/Del/87. Lanxide Technology Company, L.P.—429/Cal/87 & 430/Cal/87. Lilliwytte Societe Anonyme.—417/Mas/87. Lipton India Ltd.—458/Cal/87. Lokhande, C.D.—199/Bom/87. Lubrizol Corporation, The.—481/Del/87 & 506/Del/87. Lucas Industries Public Limited Company.—452/Mas/87 & 458/Mas/87.
"H"	"M"
Hagglands Denison Corporation.—497/Cal/87. Haideri, A.H.—182/Bom/87. Havel, K.—478/Cal/87. Hindustan Lever Limited.—198/Bom/87. Hitachi, Ltd.—428/Cal/87. Hoechst Aktiengesellschaft.—460/Mas/87. Hoechst India Limited.—191/Bom/87 & 201/Bom/87. Honeyoak International Pty. Limited.—465/Mas/87. Honeywell Bull Inc.—174/Bom/87 & 185/Bom/87. Hugle, W.B.—462/Mas/87.	Mackforth GmbH & Co.—412/Mas/87. Marcadet Mobilier.—472/Del/87. Markishohs Baulements GmbH.—545/Del/87. Maschinenfabrik Reinhausen Gebruder Scheubeck GmbH & Co. KG.—411/Mas/87. Maschinenfabrik Rieter AG.—420/Mas/87 & 470/Mas/87. McDermotto Incorporated.—502/Cal/87. Mc Dermott International, Inc.—459/Cal/87. Medina, H.—431/Cal/87. Mediolanum Farmaceutici Srl.—493/Cal/87. Meiji Seika Kaisha, Ltd.—438/Cal/87. Melchoir, J.F.—491/Cal/87. Melton, M.M.—467/Cal/87. Metallgesellschaft Aktiengesellschaft.—441/Cal/87. Metd Mannheim GmbH.—440/Cal/87. Mhatre, P.B.—180/Bom/87. Minnesota Mining and Manufacturing Company.—406/Mas/87 & 407/Mas/87. Mitra, B.P.—177/Bom/87 & 181/Bom/87. Mitsui Toatsu Chemicals, Inc.—488/Cal/87 & 405/Mas/87. Mitutowa Corporation.—449/Cal/87. Mobil Oil Corporation.—448/Mas/87. Monsanto Company.—437/Mas/87. Morton Thiokol, Inc.—466/Del/87. Motorola Inc.—421/Mas/87. Mudcleaning Services Amsterdam B.V.—469/Cal/87. Mungi, V.V.—188/Bom/87.
"I"	"N"
Imperial Chemical Industries PLC.—469/Del/87, 502/Del/87, 523/Del/87 & 554/Del/87. Imperial Smelting Processes Limited.—439/Mas/87. Indian Institute of Technology.—193/Bom/87 & 416/Mas/87. Ingersoll-Rand Company.—476/Del/87. Injectall Limited.—494/Cal/87. Institut Francais DU Petrole.—431/Mas/87 & 467/Mas/87. Intent Patents A.G.—489/Cal/87.	N.V. Bekaett S.A.—480/Del/87. Nagarkar, M.V.—188/Bom/87. Nathan, P.S.—447/Mas/87. Nauchno-Issledovatel'sky Institut Tekhnologii i avtomobilnoi Promyshlennosti (Niiavtoprom).—450/Cal/87. Nearctic Research Centre (Australia) Limited.—489/Del/87. Nemchand, J.R.—196/Bom/87. Nippon Shokubai Kagaku Kogyo Co. Ltd.—440/Mas/87. Nobel Kemi AB.—536/Del/87. Nordenskjold, R.V. (Dr-Ing).—435/Mas/87. Normalair-Garrett (Holdings) Ltd.—400/Mas/87. Naukem GmbH.—498/Cal/87.
"J"	
Jagarala, A.H.—195/Bom/87. Jain, S.S.—544/Del/87. Japan Pipe Conveyor Co. Ltd.—462/Cal/87. John T. Hardaker (India) Private Ltd.—171/Bom/87.	
"K"	
Kabel-Und Metallwerke Gutehoffnungshutte AG.—479/Cal/87. Kabushiki Kaisha Showa Seisakusho.—456/Mas/87 & 457/Mas/87. Kaali, S.—471/Cal/87. Kale, N.B.—178/Bom/87 & 179/Bom/87. Kannan, A.K.—459/Mas/87. Kanthal Limited.—516/Del/87. Kapoor, V.—468/Del/87. Kia Motors Corporation.—474/Cal/87 & 475/Cal/87. Kievsky Politekhnikhesky Institut Imeni 50-Letia Velikoi Oktyabrskoi Sotsialisticheskoi Revolutsii.—460/Cal/87. Kim, J.W.—439/Cal/87. Klein, Schanzlin & Becken Aktiengesellschaft.—499/Cal/87. Krishna Engineering Works.—170/Bom/87. Krupp Polyeius AG.—508/Del/87.	

<i>Name & Application No.</i>
"O"
Octuator AB.—507/Del/87.
Oil & Natural Gas Commission.—475/Del/87 & 478/Del/87.
Okazaki, H.—462/Cal/87.
Ontario Hydro.—200/Bom/87.
Optimera Company.—541/Del/87.
Owens-Illinois Television Products Inc.—422/Mas/87 & 423/Mas/87.
"P"
PPG Industries.—543/Del/87.
POD Limited.—419/Mas/87.
PRO-Cord S.r.l.—403/Mas/87.
Packaging Automation Machinery Co. Ltd.—427/Mas/87.
Parker Pen (Benelux) B.V.—465/Del/87 & 521/Del/87.
Patin, P.—500/Cal/87.
Paul Wurth S.A.—493/Del/87.
Pawar, S.H.—199/Bom/87.
Pellicano, R.A.—431/Cal/87.
Pennwalt Corporation.—501/Cal/87.
Pfizer Inc.—522/Del/87.
Piaggio & C.S.P.A.—487/Del/87.
Pleassey Company PLC, The.—514/Del/87.
Powertron Limited.—470/Cal/87.
Primatex Machinery Pvt. Ltd.—173/Bom/87 & 183/Bom/87.
"R"
R.J. Reynolds Tobacco Company.—490/Cal/87.
Railmaster System, Incorporated.—415/Mas/87.
Rajasthan Telephone Industries Limited.—492/Del/87.
Rank Taylor Hobson Limited.—455/Mas/87.
Rathor, B.C.—459/Del/87.
Raut, G.V.—187/Bom/87.
Redicon Corporation.—533/Del/87.
Rhone-Poulenc Chimie.—409/Mas/87 & 445/Mas/87.
Rosemount Inc.—399/Mas/87.
Roy, A.K. (Dr.).—437/Cal/87.
"S"
Saint-Gobain Recherche.—444/Cal/87.
Salplex Limited.—490/Del/87.
Schrumann, D.—506/Cal/87.
Scholsky, P.M.—471/Cal/87.
Sekura, R.D.—488/Del/87.
Shah, N.L.—194/Bom/87.
Shah, R.—192/Bom/87.
Shah, V.C.—189/Bom/87 & 190/Bom/87.
Sharp Kabushiki Kaisha.—425/Mas/87.
Shell Internationale Research Maatschappij B.V.—426/Mas/87.
Shell Oil Company.—497/Del/87.
Shriram Fibers Limited.—531/Del/87.
Shriram Institute for Industrial Research.—529/Del/87 & 530/Del/87.

<i>Name & Application No.</i>
"S"
Snamprogetti S.p.A.—438/Mas/87.
Societa D'Applications Generals D'Electricite ET De Mecha- nique S A G E M.—494/Del/87.
Societe Generale Des Eaux Minerales De Vittel.—527/Del/87.
Sohio Commercial Development Company.—540/Del/87.
Soman, S.C.—202/Bom/87 & 203/Bom/87.
Spinlab Partners, Ltd.—436/Cal/87.
Stamicarbon B.V.—461/Mas/87.
Stauffer Chemical Company of Westport.—450/Mas/87.
Sulzer Brothers Ltd.—443/Cal/87.
Sunavala, P.D. (Dr.).—193/Bom/87.
Svensson, ULF.—534/Del/87.
"T"
Tandon, R.K.—479/Del/87.
Tewari, P.—172/Bom/87.
Trutzschler GmbH & Co. Kg.—451/Cal/87.
Tsentralny Nauchno-Issledovatsky Dizalnyi Institut "TSNIDI". —549/Del/87.
"U"
UOP Inc.—539/Del/87.
Union Carbide Corporation.—451/Mas/87, 552/Del/87 & 553/Del/87.
United Technologies Corporation.—496/Cal/87.
University of Queensland.—503/Cal/87.
"V"
Vaidya, S.K.—188/Bom/87.
Vallalat, T.G.—413/Mas/87.
Vasipari Kutato Es Fejlesztó Vallalat.—454/Mas/87.
Vöest-Alpine Aktiengesellschaft.—432/Cal/87.
Voith Turbo GmbH & Co. Kg.—447/Cal/87.
Vsesojuzny Gosudarstvenny Institut Nauchnoissledovatskikh I Proektnykh Rabot Orgeupornoj Promyshlennosti.—492/ Cal/87.
Vsesojuzny Nauchno-Issledovatsky I Proektny Institute Aliu- minievoy, Magnievoy I Elektrodnoj Promyshlennosti.—473/ Cal/87 & 511/Del/87.
Vuksic, Z.B.—464/Mas/87.
"W"
Watership Pty. Ltd.—468/Mas/87.
Warner-Lambert Company.—546/Del/87.
Westinghouse Electric Corporation.—433/Cal/87, 434/Cal/87, 448/Cal/87, 452/Cal/87 & 495/Cal/87.
Whirlpool Corporation.—460/Del/87.
"Z"
Zellweger Uster Limited.—449/Mas/87.

R. A. ACHARYA
Controller-General of Patents,
Designs and Trade Marks.